AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. (Currently Amended) A method for securing a portable security module for use with a decoding element, the portable security module and the decoding element allowing to descramble scrambled audiovisual information, the method comprising:

processing at the portable security module Entitlement Control Messages (ECMs) received at the portable security module to allow the descrambling of the scrambled audiovisual information;

the method being characterized in that it further comprises:

- analyzing at the portable security module a sequence of ECMs, the sequence of ECMs comprising a new ECM and a previous ECM received at a previous time, the ECMs of the sequence being received at the portable security module at distinct times, the analyzing being performed at the receiving of the new ECM;
- incrementing at the analyzing an error register upon a determined result of the analyzing, wherein the error register is incremented when the previous ECM and the new ECM do not match;
- applying a penalty to the portable security module depending on a value of the error register by introducing a dead time at the processing so as to slow down the processing.
- 2. (Original) The method according to claim 1, wherein the ECMs are replaced with Entitlement Management Messages (EMMs).
- 3. (Original) The method according to claim 1, wherein: the dead time has a duration that depends on a value of the error register.
- 4. (Original) The method according to claim 1, wherein
 - the duration of the dead time is shorter than a maximum time value;
 - the maximum time value is high enough to prevent the portable security module (31) from processing more than one ECM during a single cryptoperiod.
- 5. (Original) The method according to claim 1, wherein:

each ECM (54_{no} 54_{n+1}) comprises a channel identifier (51_{no} 51_{n+1}), the channel identifier being associated to a determined channel;

- the analyzing of the sequence of ECMs comprises comparing the channel identifier 51_{n+1} of the new ECM 54_{n+1} and the channel identifier 51_n of the previous ECM 54_n .
- 6. (Original) The method according to claim 1, wherein:
 - each ECM (54_{no} 54_{n+1}) comprises a first encrypted Control Word (52_{no} 52_{n+1}) and a second encrypted Control Word (53_{no} 53_{n+1});
 - the first Control Word allows to descramble the scrambled audiovisual information during a first cryptoperiod;
 - the second Control Word allows to descramble the scrambled audiovisual information during a second cryptoperiod distinct from the first cryptoperiod;
 - the analyzing of the sequence of ECMs comprises comparing a second Control Word 53_n of the previous ECM 54_n to a first Control Word 52_n of the new ECM 54_{n+1} .
- 7. (Original) The method according to claim 1, wherein:

the analyzing of the sequence of ECMs comprises comparing a determined content of a first ECM of the sequence of ECMs to a second determined content of a second ECM of the sequence of ECMs.

8. (Original) The method according to claim 1, further comprising:

introducing upon a reset a reset dead time at each processing of the ECMs, wherein:

- the reset dead time has a duration that depends on a number of ECMs received at the portable security module after the reset, the duration being equal to a first reset time value at a first processing immediately following the reset; the first reset time value is smaller than the maximum time value.
- 9. (Original) The method according to claim 1, further comprising:
 - evaluating the nature of a further reset according to an intermediate group of intermediate ECMs, the intermediate group comprising the ECMs received after a previous reset preceding the further reset.

10. (Original) The method according to claim 9, further comprising:

- counting the number of the intermediate ECMs;
- comparing the number of the intermediate ECMs to a reset threshold number, wherein a result of the comparing allows to evaluate the nature of the further reset;
- incrementing upon the further reset a reset error register if the further reset is evaluated as suspicious; or;
- blocking the portable security module if the reset error register has a value that is higher than a reset errors threshold.
- 11. (Currently Amended) A portable security module for use with a decoding element, wherein the portable security module and the decoding element allow to descramble scrambled audiovisual information, the portable security module comprising:

receiving means to receive Entitlement Control Messages (ECMs);

processing means to process an ECM received at the portable security module so as to allow the descrambling of the scrambled audiovisual information;

the portable security module being characterized in that it further comprises:

- a command message memory into which a previous ECM (ECM_n) received at a previous time may be stored;
- analyzing means to analyze a sequence of ECMs, the sequence of ECMs comprising a new ECM and the previous ECM, the ECMs of the sequence being received at the portable security module at distinct times, and the analyzing being performed at each receiving of a new ECM (ECM_{n+1});
- comparing means to compare the new ECM and the previous ECM of the sequence of ECMs;

an error register;

- incrementing means to increment the error register depending on a result of the comparing, wherein the error register is incremented when the previous ECM and the new ECM do not match;
- delaying means to introduce a dead time at each processing so as to slow down the processing.

12. (Original) The portable security module according to claim 11, wherein:

the delaying means also allow upon a reset to introduce a reset dead time at each processing following the reset;

- the reset dead time has a duration that depends on a number of processing following the reset, the duration being equal to a first reset time value at a first processing immediately following the reset.
- 13. (Original) The portable security module according to claim 11, further comprising:
 - a count register allowing to store a number of intermediate ECMs, the intermediate ECMs being received at the portable security module after a previous reset;
 - a flag, the flag having a value that depends on a result of a comparing of the count register to a reset threshold number;
 - a reset error register that is incremented depending on the value of the flag upon a further reset;
 - blocking means to block the portable security module according to a value of the reset error register.
- 14. (Original) The portable security module according to claim 11, wherein the ECMs are replaced by Entitlement Management Messages (EMMs).
- 15. (Original) A computer program for use within a portable security module, wherein the computer program implements the method according to claim 1.
- 16. (Original) A method for securing a portable security module comprising downloading a software that allows to implement a method according to claim 1, wherein the downloading comprises receiving at the portable security module at least one configuration message from the decoding element.
- 17. (Original) The method according to claim 3, wherein the duration of the dead time is shorter than a maximum time value; the maximum time value is high enough to prevent the portable security module from processing more than one ECM during a single cryptoperiod.

- 18. (Original) The method according to claim 3, wherein:
 - each ECM (54_{no} 54_{n+1}) comprises a channel identifier (51_{no} 51_{n+1}), the channel identifier being associated to a determined channel;
 - the analyzing of the sequence of ECMs comprises comparing the channel identifier 51_{n+1} of the new ECM 54_{n+1} and the channel identifier 51_n of the previous ECM 54_n .
- 19. (Original) The method according to claim 4, wherein:
 - each ECM (54_{no} 54_{n+1}) comprises a channel identifier (51_{no} 51_{n+1}), the channel identifier being associated to a determined channel;
 - the analyzing of the sequence of ECMs comprises comparing the channel identifier 51_{n+1} of the new ECM 54_{n+1} and the channel identifier 51_n of the previous ECM 54_n .
- 20. (Original) The method according to claim 3, wherein:
 - each ECM $(54_{no} 54_{n+1})$ comprises a first encrypted Control Word $(52_{no} 52_{n+1})$ and a second encrypted Control Word $(53_{no} 53_{n+1})$;
 - the first Control Word allows to descramble the scrambled audiovisual information during a first cryptoperiod;
 - the second Control Word allows to descramble the scrambled audiovisual information during a second cryptoperiod distinct from the first cryptoperiod;
 - the analyzing of the sequence of ECMs comprises comparing a second Control Word 53_n of the previous ECM 54_n to a first Control Word 52_n of the new ECM 54_{n+} .